

What is claimed:

1 1. A stent comprising a tubular member having
2 hoops aligned along the axis of said tubular member, each of
3 said hoops comprising a series of sinusoidal or zig-zag
4 elements including apices alternately pointing in opposite
5 directions along the axis of the stent with at least one apex
6 of one hoop adjoining an oppositely pointed apex of an
7 adjacent hoop and being connected there by a connecting
8 member.

1 2. A stent according to claim 1, wherein said
2 tubular member is made from a shape memory alloy.

1 3. A stent according to claim 2, wherein said
2 shape memory alloy is nitinol.

1 4. A stent according to claim 1, wherein said
2 connecting member is a suture material.

1 5. A stent according to claim 4, wherein said
2 suture material is polypropylene.

1 6. A stent according to claim 1, wherein some of
2 said apices of one hoop adjoin an oppositely pointed apex of
3 an adjacent hoop and are connected thereto.

1 7. A stent according to claim 1, wherein all said
2 apices of one hoop adjoin oppositely pointed apices of an
3 adjacent hoop and are connected thereto.

1 8. A stent according to claim 1, further
2 comprising a tubular graft member secured to said tubular
3 member with at least one said connecting member.

1 9. A stent according to claim 8, wherein said
2 graft member lies within said tubular member.